

PUBLICATION NUMBER : 11016703  
PUBLICATION DATE : 22-01-99

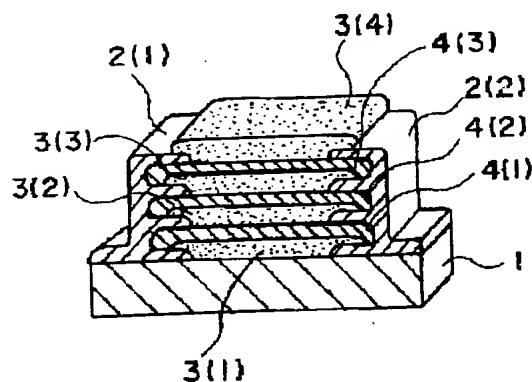
APPLICATION DATE : 20-06-97  
APPLICATION NUMBER : 09179107

APPLICANT : SHOEI CHEM IND CO;

INVENTOR : YAMAZOE MIKIO;

INT.CL. : H01C 7/00

TITLE : ULTRA-SMALL RESISTANCE  
RESISTOR



ABSTRACT : PROBLEM TO BE SOLVED: To make feasible manufacturing a miniature ultra-small resistance resistor with the least temperature coefficient by a method, wherein a plurality of thick-film resistor layers are laminated through the intermediary of glass insulating layers, while terminal electrodes are formed so as to electrically connect respective thick film resistor layers in parallel with one another.

SOLUTION: A thick-film resistor layer 3(1) is formed so as to be partly and convolutionally laminated on a pair of terminal electrodes 2(1), 2(2) for the formation of a glass-insulating layer 4(1). Then, a thick-film resistor layer 3(2) is formed on the glass-insulating layer 4(1), likewise another glass insulating layer 4(2), thick-film resistor layer 3(3), a glass-insulating film 4(3), a thick-film resistor layer 3(4) are successively laminated. Through these procedures, laser trimming can be made feasible as well as a ultra-small resistance resistor having superior stability, reliability in the least temperature coefficient can be manufactured in simple steps.

COPYRIGHT: (C)1999,JPO